

James T. CARTER

Serial No.: 09/735,525

Carter-001/Div

Marked-up Claims, June 27, 2001

9. (Twice Amended) A method of preparing an article from a macroporous hyperhydroxy polymer [essentially] comprising [substantially similar fractions of] functional acrylic monomers, which comprises:

a) mixing [substantially similar fractions of] 40-60 parts by weight of a purified monoester of a hydroxyalkyl acrylate having a single olefinic double bond and 40-60 parts by weight of a methacrylic acid with a sufficient amount] 0.001-5 parts by weight of a free radical or radiation type polymerization initiator,

b) [holding] subjecting the mixture [under] to bulk polymerization [conditions], solution polymerization, suspension polymerization or emulsion polymerization to form a polymer gel, and

c) casting the polymer gel to shape,
whereby the article [is capable of holding] has a water content of 90-99.75% [water] when fully hydrated.

11. (Amended) The method of claim 9 wherein the [olefinic] methacrylic acid [diester] is a dimethacrylate.

17. (Amended) The [macroporous hyperhydroxy polymer] method of claim [1] 9 [fabricated as] wherein the article prepared is a contact lens.

18. (Amended) The [macroporous hyperhydroxy polymer] method of claim [1] 9 wherein the article prepared [as] is a coating material.

19. (Amended) The [polymer] method of claim [1] 9 [produced under polymerization conditions as] wherein the article prepared is a solid article suitable for further manufacturing.

20. (Amended) The [polymer] method of claim [1] 9 wherein the polymer is produced as a coating directly on other articles.

16